Aastra Cordless Telephones
DT413, DT423 and DT433

AASTRA

Aastra DT4x3 Series Cordless Telephones

Equipped with full business-class features for high efficiency

"I work better because cordless works better. I like being in control of my time and fulfilling my duties to my clients and colleagues."

All our phones are equipped with business-class features such as convenient menu interfaces, easy-to-read displays, quick-access volume keys, extensive phone books, calling line identity and message waiting indication. You can be sure that there is a phone designed and constructed as the optimal solution for your unique needs – whether within the walls of a high-tech office or at a remote oil refinery.

DT4x3 Multipurpose Phones

These phones have all the features you could want in a cordless phone. They are robust and extremely durable, and they are designed to comply to many specific demands. To withstand operation in tough environments the phones fulfill the Ingress Protection class 65 (IP65). To further ensure reliable access to vital information in these environments, anywhere and anytime, the loudspeaker and the earphone are designed for high volumes. For readability the display can be set to show large characters on the back-lit display. These phones are ideal for use in factories, hospitals or hotels, where people are constantly on the move.

DT413
The DT413 is an excellent performer at any workplace and is designed to withstand dirt, water and even drops on hard surfaces. It is robust with large sturdy keys and a clear display. This phone is the ultimate choice for demanding applications.

DT423
The DT423 is designed for workplaces where a high level of security is required or where dealing with emergency situations is a part of daily business. Its special features include built-in personal alarm functionality and man-down/no-movement alarm.

DT433
The DT433 is an intrinsically safe handset for use in potentially hazardous environments and supports integrated personal alarms and man-down/no-movement alarms as in DT423. DT433 complies with the ATEX 94/9/EC directive.

Always Online
These robust handsets combine versatile telephony with messaging, ensuring reliable access to vital information from building automation systems, production lines, as well as communications with other cordless users in the system. Equipped with hands-free operation, using a headset connector and Bluetooth interface, as well as a vibration mode for notification, these phones are the optimum choice for demanding conditions.
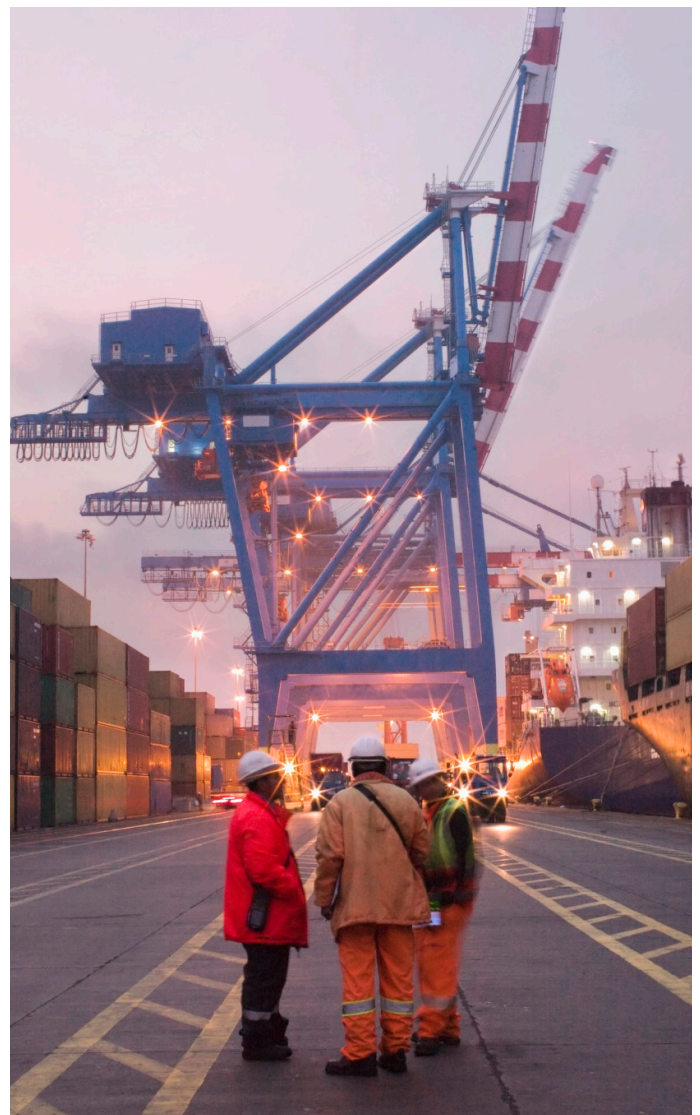
Languages
Eighteen languages are supported: Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese (Brazilian), Russian, Slovakian, Spanish, Swedish, Turkish and 1 customizable.

DT413   DT423   DT433

Main Features

DT413, DT423 and DT433	
High quality voice	Customizable menus (DT423, DT433)
Tough industrial handset	Customizable ring signals
Easy access to telephony services	Push button alarm, sends different alarm types (DT423, DT433)
Easy replacement of handset	Man-down/No-movement alarm (DT423, DT433)
Mute button/Sound off key	Acoustic Location Signal (ALS) (DT423, DT433)
Sending/receiving messages (SMS)	Automatic call after alarm (DT423, DT433)
180 ° rotation of messages/calls in display	Base station location and poll location
Local, central, and company phone book	Message acknowledgement
Voice mail indication and access	Robust, dustproof, waterproof, IP65 classified design
Headset connector	ATEX/IECEx classified design (DT433)
Large, scratchproof, mechanically protected color display	Dynamic output power
Illuminated display and keypad	Call list with the last 25 calls
High volume	Clear call list in charger
Loud speaker feature	Centralized management CPDM3
Three programmable soft keys	Advanced user profiles
Programmable hot keys	Vibration alert for incoming calls/messages
Programmable headset button	Bluetooth and hands free as standard

Alarm and Messaging for DECT Users

The alarm and messaging solution integrates the Short Message Service (SMS) of the call manager and the DECT radio infrastructure with event management and the interfaces of the CPDM3 server. The implementation is based on the standard for DECT SMS. Using this service text messages can be sent from a receptionist, supervisor, secretary or anyone within the organization to an individual DECT terminal or to a group of DECT terminals. An example of effective utilization of this feature would be in organizations with emergency teams or special task forces that require rapid communications. A nurse call application in a hospital is another typical example.

Smart Messaging at Work for You

✴ One of your patients needs assistance. By just pressing a button at bedside, a health-care worker receives information about which patient needs attention

✴ When your production line stalls, a sensor in the belt drive automatically alerts a technician. He knows immediately where the stoppage has occurred and which tools to bring

Making the Most of Your Cordless System
As advanced IT and telecommunications come of age, more smart and truly practical applications are becoming available. Aastra has harnessed sophisticated messaging technology in maintaining security for your staff, customers/visitors, buildings and equipment.

Every Switch Sends a Message
With alarm messaging you can also integrate switches such as those in doorbells, patient alarms, sensor relays in factory equipment, as well as door, smoke and fire alarms, into your cordless telephone system. When one of these switches is activated, pre-programmed text messages are sent to specific cordless phones. In that way the right people get the right information and can act immediately. SMS messaging offers the capability to connect your cordless messaging system to your existing paging infrastructure and other legacy applications.

Different priority levels are available so that only the most urgent messages/alarms receive immediate attention. To help staff distinguish between different messages, handsets can be configured to sound a different tone for each type of message.

Adapting to Your Needs
Alarm and messaging functionality can be used with a wide range of portable telephones and accessories.

The system has a modular architecture making it easy to expand by incorporating various input and output devices as your demands grow.

System set-up and programming are controlled by an easy-to-use web interface. The alarm and messaging units comply with open standards so that they can be connected to any messaging application with the appropriate interface. And because the system is based on DECT standards, it will keep pace as cordless technology evolves.

Accessories

✴ Hinge-type/Swivel-type clip
✴ Security cord
✴ Leather casing, incl. swivel-type clip
✴ Desk Charger
✴ Peltor hearing protection headset (DT413, DT423)
✴ ATEX/IECEx-classified headset adapter for standard Peltor headset and ATEX-classified Peltor headset*
✴ Headset adapter with QD connector
✴ Desk PDM Charger
✴ Rack PDM Charger
✴ Battery charging rack
✴ Spare battery

* available from Peltor distributors

The DECT standard is an open standard defined by ETSI, the European Telecommunications Standards Institute and it is supported by all major PBX suppliers. This, and the excellent quality DECT offers, is your guarantee that the technology is designed to suit your requirements, both today and tomorrow. DECT is simply the best technology for wireless voice and telephony.

Technical Compatibilities

The DT4x3 phones:
- are DECT-GAP and DECT-CAP compliant
- support sending and receiving of SMS text messages. All messaging functions require support from the messaging application in the CPDM3
- have been approved for use in all EC/EFTA countries
- are fully compatible with MX-ONE and Aastra 700 communications systems

Chargers for DT4x3

Rack PDM Charger

Features

✴ Charges 6 handsets simultaneously

✴ Fast charging

✴ Modular for easy installation/wall mounted

✴ Compact design reduces necessary wall-space, 88 handsets/m²

✴ Power supply designed to match charging rack module

✴ Spare battery can be charged separately with an adapter

✴ One charging rack module charges 4 cordless handsets or spare batteries

✴ 3 charging rack modules per power supply

✴ Supports remote and local management of handsets

✴ USB and Ethernet connections

✴ Handsets can automatically send absence indication when placed in charger

✴ Charging status indicated in handset display

Battery Charging Rack

Battery Charging Rack

Features

✴ Charges batteries for DT69x and DT4x3 DECT telephones

✴ Charges 6 batteries simultaneously

✴ Wall mounted

✴ LED charging indicator for each charging position

✴ Internal power supply

✴ Modular for easy installation

Desk PDM Charger

Features

✴ Charging status indicated in handset display

✴ Supports remote and local management of handset

✴ Supports programming of handsets

✴ Tilted design for stabile operation of handset and easy viewing of telephone display

✴ Handset can be used with full functionality while in the charger

✴ Handset can automatically send absence indication when placed in charger

✴ USB and Ethernet connections

✴ Ethernet switch functionality

Rack PDM Charger

Desk Charger

Features

✴ Provides charging of phones in service as well as maintenance charging of phones not used on a daily basis

✴ Charging status indicated in handset display

✴ Handset can be used with full functionality while in the charger

✴ Tilted design for stabile operation of handset and easy viewing of handset display while in the charger

Desk PDM Charger

Desk Charger

	DT413	DT423	DT433
Physical			
Dimensions (l × w × d):	142 x 56 x 25 mm	142 x 56 x 25 mm	142 x 56 x 25 mm
Weight:	170 g (battery and clip included)	170 g (battery and clip included)	175 g (battery and clip included)
Material:	Case: PC-ABS, Key pad: PC, Clip: PA	Case: PC-ABS, Key pad: PC, Clip: PA	Case: PC-ABS, Key pad: PC, Clip: PA
Color:	Gray/dark gray	Gray/dark gray	Gray/dark gray Front plate: yellow
Display (w x h):	28 x 35 mm CSTN display	28 x 35 mm CSTN display	28 x 35 mm CSTN display
Clip:	Hinge type (standard) or swivel type	Hinge type (standard) or swivel type	Hinge type (standard) or swivel type
Battery			
Type	Li-Ion	Li-Ion	Li-Ion
Speech time	18 hrs (Bluetooth disabled) 10 hrs (Bluetooth headset in use)	18 hrs (Bluetooth disabled) 10 hrs (Bluetooth headset in use)	18 hrs (Bluetooth disabled) 10 hrs (Bluetooth headset in use)
Stand-by time	80 hrs (black screen saver activated)	80 hrs (black screen saver activated)	80 hrs (black screen saver activated)
Charging time	2 hrs - 90% charged 3 hrs - fully charged	2 hrs - 90% charged 3 hrs - fully charged	2 hrs - 90% charged 3 hrs - fully charged
Connectors			
Multipurpose connector	For battery charging, software download, connection of headset, and configuration	For battery charging, software download, connection of headset, and configuration	For battery charging, software download, connection of headset, and configuration
User interface			
Display (w x h)	Multiple colors with high resolution, 128 x 160 pixel LCD LED backlighting	Multiple colors with high resolution, 128 x 160 pixel LCD LED backlighting	Multiple colors with high resolution, 128 x 160 pixel LCD LED backlighting
Indicator	LED for indication for incoming calls/messages and normal visual indication	LED for indication for incoming calls/messages and normal visual indication	LED for indication for incoming calls/messages and normal visual indication
Vibrator	Incoming calls/messages	Incoming calls/messages	Incoming calls/messages
Buttons/keypad	- 3 soft keys - hook off key - on-hook and power on/off - 4-way navigation key - numerical keys - volume up/down buttons - sound off key/mute button	- 3 soft keys - hook off key - on-hook and power on/off - 4-way navigation key - numerical keys - volume up/down buttons - sound off key/mute button	- 3 soft keys - hook off key - on-hook and power on/off - 4-way navigation key - numerical keys - volume up/down buttons - sound off key/mute button
Audio			
Ring signal	Adjustable in 8 steps	Adjustable in 8 steps	Adjustable in 8 steps
Earpiece	Adjustable in 8 steps	Adjustable in 8 steps	Adjustable in 8 steps
Max. sound ring signal level	100 dBspl @ 10 cm	100 dBspl @ 10 cm	90 dBspl @ 10 cm
Loudspeaker	Duplex loudspeaking function	Duplex loudspeaking function	Duplex loudspeaking function
Radio			
Radiated power EU/US	+20 dBm EIRP	+20 dBm EIRP	+20 dBm EIRP
Central phone book			
Max name and number length	40 characters in a name and 20 digits in a number	40 characters in a name and 20 digits in a number	40 characters in a name and 20 digits in a number

Company phone book			
Max name and number length	24 characters in a name and 24 digits in a number (1 number per name)	24 characters in a name and 24 digits in a number (1 number per name)	24 characters in a name and 24 digits in a number (1 number per name)
Entries	1000	1000	1000
Local phone book			
Entries	250 - 3 numbers per entry	250 - 3 numbers per entry	250 - 3 numbers per entry
Ring tones	Selectable per contact	Selectable per contact	Selectable per contact
Telephony			
Indication	14 ring signals, flashing LED and vibrator	14 ring signals, flashing LED and vibrator	14 ring signals, flashing LED and vibrator
Answer call	Button press or auto answer	Button press or auto answer	Button press or auto answer
Call list storage	25 calls (received, dialed and missed) with time stamps	25 calls (received, dialed and missed) with time stamps	25 calls (received, dialed and missed) with time stamps
Messaging			
Max message length	160 characters (system dependent)	160 characters (system dependent)	160 characters (system dependent)
Storage capacity	30 received/sent messages	30 received/sent messages	30 received/sent messages
Environmental			
Operating temp.	-10 ℃ to +55 ℃	-10 ℃ to +55 ℃	-10 ℃ to +40 ℃
Storage temp.	-20 ℃ to +60 ℃	-20 ℃ to +60 ℃	-20 ℃ to +60 ℃
Enclosure protection	IP65, IEC EN 60529	IP65, IEC EN 60529	IP65, IEC EN 60529
Supported communications systems			
MX-ONE	Yes	Yes	Yes
Aastra 700	Yes	Yes	Yes

Intrinsically Safe Use [1,2]

CE 0470 European certification

SIRA 10ATEX2072 IECEx SIR 10.0038
II 2G, II 2D Ex ib IIC T4 Gb Ex ib IIIC T55 ℃ Db IP65
Tamb= -10 ℃ to +40 ℃

NANIO CCVE Russian certification
Ex ib IIC T4 Gb X
Ex ib IIIC T55 ℃ Db X
-10 ℃ ≤ Ta ≤ +40 ℃

US certification
2011 2368858 I.S. for Class I, Zone 1, AEx ib IIC T4
Tamb= -10 ℃ to +40 ℃

Non-Incendive Use

US standard
2011 2368858 IP 64 T4 Non-Incendive for Class I, Div 2, Groups A,B,C,D
Tamb= -10 ℃ to +40 ℃

[1] Disclaimer: Explosive atmosphere; the approvals are valid exclusively for surface industry. The explosion protected handset shall therefore not be used in mining (underground) location. Aastra does not support or take responsibility for any change in the product or its designation.
[2] Disclaimer: Battery charging or replacement of battery is not permitted in hazardous area.

Compliance with International Regulations and Standards

Compliance with European regulations and standards

✶ EU directives: 1999/5/EC (R&TTE)

✶ Radio: EN 301 406, TBR22

✶ Bluetooth: EN 300 328, EN 301489-17

✶ Specific Absorption Rate (SAR): EN50360 and EN62209-1 (0.137 W/kg 10 grams)

✶ EMC: EN301489- 6, EN 301 489-1

Compliance with US regulations and standards

✶ Specific Absorption Rate (SAR):

  • FCC/OET Bulletin 65 Supplement C and IEEE Std. 1528 and ANSI/IEEE Std. C95.1
  • Normal operation 0.013 W/kg (1 gram)
  • Body worn operation 0.016 W/kg (1 gram)

✶ Safety: UL 60950-1

✶ EMC/Radio: FCC Part 15 D, and FCC Part 15 C (Bluetooth)

✶ Hearing aid: 47 CFR Part 68, Subpart D and TIA-968-17

Compliance with Canadian regulations and standards

✶ Specific Absorption Rate (SAR):

  • IEEE Std C95.3
  • Normal operation 0.013 W/kg (1 gram)
  • Body worn operation 0.016 W/kg (1 gram)

✶ EMC/Radio: RSS-213 and RSS-210 (Bluetooth), ICES-003

✶ Safety: CSA 60950-1

✶ Hearing aid: CS-03

Compliance with Australian regulations and standards

✶ Specific Absorption Rate (SAR): EN50360 and EN62209-1, 0.137 W/kg (10 grams)

✶ Radio: EN 301406

✶ Bluetooth: EN 300 328-2, EN 301489-17, AUS/NZS-4771

✶ Safety: AUS/NZ 60950-1

✶ EMC: EN 301489- 6, EN 301 489-1

✶ DECT: AS/ACIF S004

ATEX

✶ IECEx Scheme: IEC 60079-0, IEC 60079-11 and IEC 61241-11

✶ EC Type Examination Certificate, IECEx Certificate of Conformity, EC Declaration of Conformity and following supplements can be found at http://aastra.com/sdoc and www.iecex.com

See www.aastra.com/sdoc

About Aastra

Aastra Technologies Limited (TSX: "AAH"), is a leading company at the forefront of the enterprise communication market. Headquartered in Concord, Ontario, Canada, Aastra develops and delivers innovative communications products and applications for businesses.

Aastra's operations are truly global with more than 50 million installed lines around the world and a direct and indirect presence in more than 100 countries.

Aastra enables enterprises to communicate and collaborate more efficiently and offers one of the most complete portfolios of unified communications solutions - sets, systems and applications - based on market standards (SIP, LDAP, XML, etc.).

www.aastra.com

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Recycled paper

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